

QUESTIONNAIRE

Wellhead Protection Area Information



Please take a few minutes to fill out this two-page questionnaire. It asks you a short series of questions about certain activities within your wellhead protection area (WHPA). Answer the questions as accurately as you can, based on your own knowledge - ***you are not being asked to research exact numbers or information.*** Be sure to return this questionnaire with your sampling waiver application, even if there are none of the specified objects within your wellhead protection area.

System Name:

EPA & Source #:

Date: _____

➤ If you have more than one source, fill out one questionnaire per source, unless the sources are within 500 feet of each other.

➤ **Septic systems:** If no municipal sewer system exists in your source protection area, assume each building (with the exception of small garages, etc.) has its own septic system. For multiple-unit developments served by community septic systems, count the number of units.

Section 1: Septic Systems

1. Are there any homes or businesses served by septic systems within your WHPA? (check one box)
☐ **YES** ☐ **NO** (If no, skip to Section 2: Livestock)
2. Within 500 feet of your well(s), how many homes/businesses are there with on-site septic systems? (check one)
☐ **0** ☐ **1 - 9** ☐ **10 - 30** ☐ **more than 30**
3. From 500 feet of your well(s) to the boundary of your wellhead protection area, how many homes/businesses are there with on-site septic systems? (check one)
☐ **0** ☐ **1 - 9** ☐ **10 - 30** ☐ **more than 30**

Section 2: Livestock

Below is a table that lists examples of "large" livestock herds. Please check all that apply in each of the two columns. Please note that each column represents a different distance from the well. If your WHPA is not a circle, consider only herds within the wellhead protection area.

| Animal Type | Number of Animals | COLUMN 1 0 to 1000 feet from well | COLUMN 2 1000 feet from well to boundary of the WHPA |
|-------------------------|---------------------------------------|--|---|
| | No large livestock herds | | |
| Beef Cattle | 10 or more in a single herd | | |
| Dairy Cows | 7 or more in a single herd | | |
| Pigs | 25 or more in a single facility | | |
| Horses or other equines | 5 or more in a single facility | | |
| Sheep or goats | 100 or more in a single flock or herd | | |
| Turkeys | 550 or more in a single flock | | |
| Ducks | 50 or more in a single facility | | |
| Chickens | 1000 or more in a single flock | | |
| Other | 10,000 lbs or more | | |

Section 3: Other WHPA Questions

1. Are there plans to purchase land within the WHPA or to designate the land as conservation land?
☐ **YES** ☐ **NO**
2. Is there currently any ground water or aquifer protection zoning within the WHPA?
☐ **YES** ☐ **NO**

Section 4: On-site Backyard Mechanics

Is there any type of small engine work, auto repair or junk car storage occurring within the following areas:

- | | <u>YES</u> | <u>NO</u> |
|--|--------------------------|--------------------------|
| 1. Within your wellhead protection area? If yes, please describe activity: _____ | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Within 1000 feet of the well(s)? If yes, please describe activity: _____ | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Within the sanitary radius? If yes, please describe the activity: _____ | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. If the work is taking place on land owned or controlled by the water system (e.g. a mobile home park), does the park/development have a policy regarding on site mechanical work? | | |
| If so, please describe: _____ _____ _____ _____ | | |
| 5. If this type of activity is allowed, are there provisions to do this work safely or in accordance with Best Management Practice (BMP) Rules, Env-Wq 401? | | |
| If so, please describe: _____ _____ _____ | | |

MTBE (methyl tertiary-butyl ether) is a chemical added to gasoline to help reduce harmful emissions from automobile exhaust. MTBE is difficult and costly to clean up and can make the water undrinkable due to offensive odor and taste. It is also a possible human carcinogen. MTBE has become a great concern throughout the state. Studies done here and elsewhere have shown detections of MTBE in greater than 30% of households sampled in random sampling events. MTBE enters into the environment from even the smallest gas spill, underground storage tank leaks or discharges from 2 cycle engines on watercraft. Because MTBE dissolves easily in water, does not attach to soil very well, and takes a long time to breakdown in the environment, it moves faster and farther in the ground than other gasoline components. During site inspections regarding MTBE contamination, "backyard mechanics" are often the only likely source of this contamination.